

MODULE HANDBOOK

Module Name	Thesis
Module level	Bachelor Degree
Abbreviation, if applicable	3074216060
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	8 th /Fourth year
Module coordinator(s)	-
Lecturer(s)	All Chemistry Lecturer
Language	Indonesian
Classification within the curriculum	Compulsory Course
Teaching format/class hours per week during the semester:	Compulsory/ Elective
Workload:	6 x 170 minutes laboratory activity, 14 weeks per semester, 238 total hours per semester ~ 9.54 ECTS**
Credit points:	6 CU x 1.587 = 9.54 ECTS
Requirements:	-
Learning goals/competencies:	• Able to apply chemistry, research methodology, and statistics to solve problems related to chemistry. • Mastering the basic concepts of chemistry, research methodologies, and data analysis techniques to compile a written ideas to solve chemical problems and prove them in research activities. • Make decisions based on the results of the analysis of scientific reasoning on efforts to solve chemical problems and write it in the form of a script. • Have a responsible attitude in applying written ideas in solving chemistry problems and able to account for it in academic forums.
Content:	• Techniques for preparing scientific papers : Understanding scientific work and components of scientific work • Techniques for searching library materials : types of library materials and searching for library sources • Preparation of research results analysis : analyze research results related to existing theories

	● Preparation of bibliography : write a bibliography on the theory, which is well-plated. ● Presentation : designing, implementing and evaluating presentation texts																														
Attribute Soft Skills:	Active communication; Discipline; Responsibility; and Argumentation in class.																														
Study/exam achievements:	The final grade (NA) is calculated based on the following ratio: <table><tr><td>Assessment Components</td><td>Percentage of contribution</td></tr><tr><td>Thesis examination include: a. Thesis content (70%) b. Oral defence (30%)</td><td>70%</td></tr><tr><td>Supervision processes</td><td>30%</td></tr></table>	Assessment Components	Percentage of contribution	Thesis examination include: a. Thesis content (70%) b. Oral defence (30%)	70%	Supervision processes	30%																								
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	Grade Conversion of 0-100 scale into 0-4 scale is set as below:																														
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Media:	Computer, LCD, White board																														
Learning Methods	Individuals assignment, discussion, lab activity and presentation																														

Literature:	1. Tim. 2020. Panduan Penulisan Proposal dan Skripsi Program Studi Kimia. Surabaya: Unesa University Press 2. Tim. 2020. Panduan Penulisan dan Penilaian Skripsi. Surabaya: Unesa University Press. 3. Articles related to the thesis from the internet
Notes:	*1 CU in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018. **1 CU = 1,59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/HK/Ak/2019